

A METHOD AND SYSTEM FOR SUPERHETERODYNE DETECTION  
OF AN OPTICAL INPUT SIGNAL

ABSTRACT OF THE DISCLOSURE

A system and method for superheterodyne detection in accordance with the invention. The system comprises a first conversion unit for performing a first heterodyne operation on an optical input signal to generate an electrical IF signal. A second conversion unit is electrically or optically coupled to the first conversion unit. The second conversion unit performs a second heterodyne operation to generate an electrical output signal suitable for signal processing.